

86-9-23/36

The First Soviet Liquid-Fuel Rocket Engines (Cont.)

and gasoline, and nitrotetraoxide, was built and stand-tested in 1931; this system proved to be disadvantageous. In 1932, a result of Glushko's work, some basic principles enabling a reliable and safe operation of the engine were established. In 1933, he designed an engine which was able to run protractedly, and his designing office worked out the liquid-fuel rocket engines named ORM-23 through ORM-52, using nitric acid and gasoline, which completed more than 100 stand tests. In 1933, the ORM-50, intended for an experimental antiaircraft rocket designed by M. K. Tikhonravov, one of the pioneers of the Soviet rocket engineering, passed delivery tests, and the ORM-52, for a more powerful rocket, etc., was stand-tested. From 1934 to 1936, the liquid-fuel rocket engines ORM-53 through ORM-66 were worked out. The then one of the most perfect engines, the ORM-65, was officially stand-tested in 1936; it used nitric acid and kerosene, and developed a specific thrust of 210 kg. sec. per kg. The ORM-65 was intended for the automatically-controlled pilotless winged rocket "212", which was flight tested in 1939, and for the "rocket plane RP-318-1", which was ground tested in 1937, both designed by

Card 2/3

Name : GIL'ZIN, K. A.

Title : Candidate of Technical Sciences

Affiliation: Member, Head Office, Astronautical Section /, USSR Academy of Sciences/

Remarks : In an article entitled "Toward Other Planets" K. A. Gil'zin writes that soon a whole series of artificial "moons" of varying sizes and with various objectives will circle the earth. Some of them will return to earth bringing back valuable information, some will circle indefinitely, some will carry human beings. At the same time rockets will reach the moon. Surveying the great difficulties still in store before mankind is able to reach far-distant planets, Gil'zin writes that a photon engine, producing jet thrust as a result of the ejection of quanta energy - photons - and not of particles of matter, is capable of solving the problem. Decisive progress in the skill of utilization of energy contained in atomic nuclei is still needed in order to make possible a complete transformation of matter into energy.

Source : N: Sovetskaya Aviatsiya, No. 1, 1 January 1958, p. 3, col. 5-7

GIL'ZIN, KARL ALEKSANDROVICH

Sputniks and after. [Translated from the Russian  
by Pauline Rose. Supplementary material translated  
from the Russian by Dmitri Nesteroff. Illustrated  
by N. Kolchitsky] London, Macdonald [1959]  
285 p. illus. 23cm.

GII'ZIN, Karl Aleksandrovich

V Nebe Zavtrashnego Dnya. Moskva, Proftekhnidat, 1960.

180 P. Illus., Diagrs. (Nauchno-Populyarnaya Literatura)

Bibliographical Footnotes

GIL'ZIN, Karl Aleksandrovich, kand. tekhn. nauk; ZUBKOV, M.A., otv. red.;  
MOLCHANOV, N.A., tekhn. red.

[Travel to distant worlds] Puteshestvie k dalekim miram. Moskva,  
Gos. izd-vo detskoi lit-ry M-va prosv. RSFSR, 1960. 319 p.  
(MIRA 14:6)

(Astronautics) (Interplanetary voyages)

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CIA-RDP86-00513R000515110010-7  
CIA-RDP86-00513R000515110010-7"

GIL'ZIN, K.A., kand.tekhn., nauk (Moskva)

Contemporary jet engineering. Fiz. v shkole 20 no.5:13-20 8-0 '60.  
(Jet propulsion) (Rockets (Ordnance))  
(MIRA 13:11)

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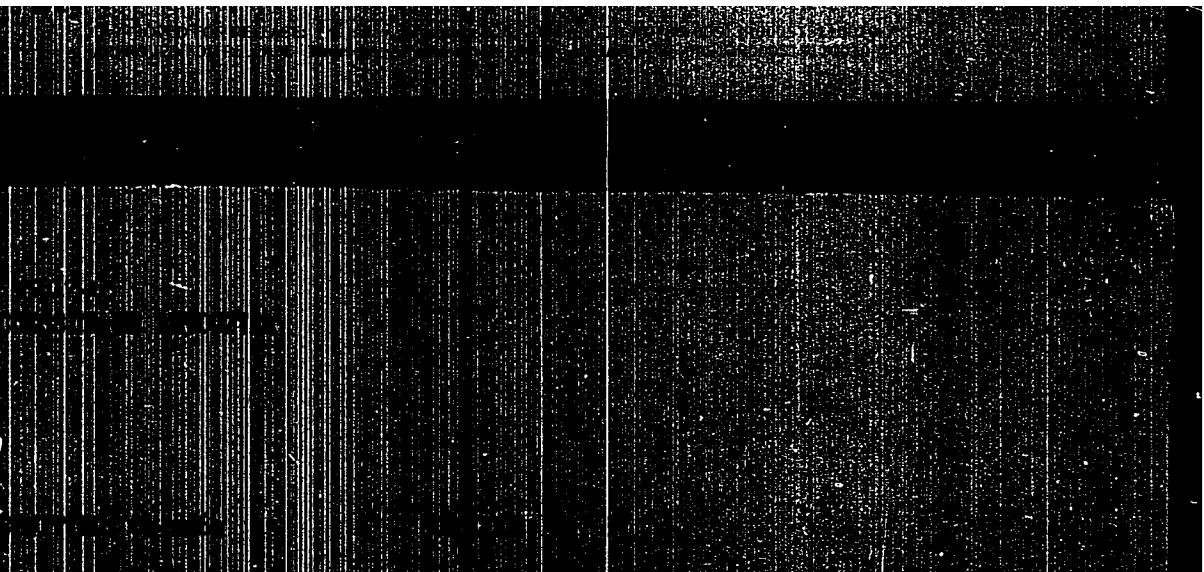
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CIA-RDP86-00513R000515110010-7"

GIL'ZIN, K.A., kand.tekhn.nauk; ROMANOV, M.M., red.; CHAPAYEVA, R.I.,  
~~tekhn.~~ red.

[Rockets and radio] Raketa i radio. Moskva, Voenizdat,  
1963. 82 p. (MIRA 16;9)  
(Rockets (Ordnance))--Radio control)

GIL'ZIN, K., kand.tekhn.nauk

The Soviet people are successfully conquering outer space.  
Komm.Vooruzh.Sil 2 no.18:35-39 S '62. (MIRA 15:8)  
(Astronautics)



100  
105  
B41

Gil'sin, Karl Aleksandrovich

Engines of unprecedented speeds (Dvigateli nevidannykh skorostey)  
Moscow, Izd-vo "Mashinostroyeniye," 1965. 330 p. illus. Errata  
slip inserted. 19,000 copies printed.

TOPIC TAGS: reaction engine, space flight, space station, aircraft  
engine, turbojet engine, nuclear rocket engine

PURPOSE AND COVERAGE: This book, intended for the general reading  
public, deals in a popular manner with reaction engines for modern  
aircraft, rockets, and space vehicles. Prospects for the develop-  
ment of reaction engines and the scientific problems as yet to be  
solved in this field are examined. New types of reaction engines  
for the future are discussed.

TABLE OF CONTENTS:

Introduction. What is discussed in the book -- 3

Ch. 1. What is a reaction engine and why does it win one victory  
after another? -- 5

Card 1/2

UDC: 629.13.03(023) : 533.601.155

ACC NR: AM6008483

- Ch. 2. The revolution in aviation, or the brilliant success of the turbojet engine -- 15
- Ch. 3. When the turbojet engine yields its primacy to its "close relatives" -- 43
- Ch. 4. The gas turbine and supersonic flight -- 70
- Ch. 5. "Flying furnaces" and "burning wings" -- 104
- Ch. 6. One liquid burns in another -- 125
- Ch. 7. Predecessors and successors to the "Katyushas" -- 168
- Ch. 8. "Symbiosis" in the world of reaction engines -- 193
- Ch. 9. Reaction engines and chemistry -- 212
- Ch. 10. Turning to the atom for help -- 240
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Card 2/2  
SUB CODE: 21/ SUBM DATE: 27Sep65

Elli

ACC NRI AP6033466

SOURCE CODE: UR/0413/66/000/016/0046/0046

INVENTOR: Anokhin, L. A.; Voronin, G. I.; Gil'zin, K. A.; Levin, Ye. M.

ORG: none

TITLE: Microcooler. Class 17, No. 185940

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 18, 1966, 46

TOPIC TAGS: solenoid, cooling, microcooler

ABSTRACT: A low-temperature microcooler, operating on the reverse Sterling cycle, is described (Fig. 1). It is characterized by a common housing which contains a cylinder, with a coaxially situated compressor and expander pistons, a cooler, a generator, and a drive mechanism. For the purpose of reducing the size of the cooler and to provide dynamic equilibrium, the two annular solenoid coils, whose armature is rigidly connected to the pistons, and the damping gas chambers for the reverse action pistons, are contained in the housing. Another model of the same microcooler has its electric motors, having a common stator and rotors (the latter attached to the piston rods), situated in the microcooler

Card 1/2

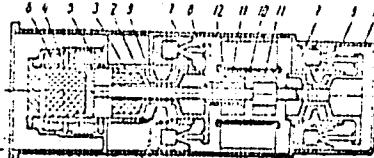
UDC: 621.574-242-837

L 08386-01

ACC NR: AP6033466

housing, in order to decrease losses incurred from friction between the cylinder and the rotating pistons. [Translation]

Fig. 1. Microcooler



- 1—housing; 2—cylinder;
- 3—compressor piston;
- 4—expander piston; 5—cooler;
- 6—regenerator; 7—solenoid coils;
- 8—armature; 9—damping gas chambers;
- 10—electric motor stator; 11—electric motor armature; 12—piston rods

SUB CODE: 21/ SUBM DATE: 28Jul65/

G IMA

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RUMANIA/Zooparasitology. Parasitic Protozoa.

G

Abs Jour: Ref Zhur-Biol., No 17, 1958, 76910.

Author : Ciucu, M.; Radazovici, E.; Chejarescu, M.;  
Atanasiu, M.; Isfan, T.; Constantinescu, P.; Teriteanu, E.;  
Gima, L.; Scariat, M.; Constantinescu, G.; Tautu, L.

Inst :

Title : Study of Duration of Infestation of Plasmodium vivax,  
Plasmodium falciparum and Plasmodium malariae (Preliminary Report).

Orig Pub: Bul. Stiint. Sec. med., 1956, 8, No 2, 549-564.

Abstract: Observations of natural infection were conducted on 105 patients (97 - with Pl. vivax, 7 - with Pl. falciparum and one - with Pl. malariae), and with experimentally-induced malaria in 73 patients (40 - with Pl. vivax, 32 - with Pl. falciparum and one - with Pl. malariae). The duration of infestation with Pl. vivax in various cases was not over 2 years, and with Pl. falciparum - not over a year.

61 m ADD NOV 21

USCII/ Chemistry - Vegetable oil

Card 1/1 Pub. 123 - 8/16

Authors: Goryainov, M. I., and Gimaddinov, Zh.

Title: Investigation of volatile oil from Fergansk wormwood

Periodical: Vest. AN Kaz. SSR 12, 68-70, Dec 1954

Abstract: The obtainment of volatile oil from the surface of a Fergansk wormwood plant (*Artemisia ferganensis* N. Krasch.) is reported. The constants of the i.e. density, index of refraction, boiling point, ether number, etc., were determined. The chemical composition of the woodworm oil was analyzed. One USSR reference (1953). Tables.

Institution: ...

Submitted: ...

GORYAYEV, M.I., akademik; GIMADDINOV, Zh.K.

Study of substances entering the composition of essential  
oils; correlation between stereoisomeric thujones in essential  
oils of wormwood. Dokl. AN SSSR 156 no.6:1459-1460 Je 164.  
(MIRA 17:8)

1. Institut khimicheskikh nauk AN Kazakhskoy SSR. 2. Akademiy  
nauk Kazakhskoy SSR (for Goryayev).

GORAYEV, M.I.; GIMARDINOV, Zh.K.

Reduction of the Jones by aluminum isopropylate (Meerwein-Ponndorf reduction). Zhur. prikl. khim. 38 no.1:203-214 Ja '65. (USSR 18:3)

MUN, A.I.; QIMADDINNOVA, R.G.

Potassium in the lakes of central Kazakhstan. Izv. AN Kazakh. SSR  
Ser. khim. no. 2:32-38 '60.  
(Kazakhstan--Potassium)

(MIRA 14:5)

STAROVEROV, Yu.; GIMADETDINOV, R.; BUDENOV, I.; Serebryannikov, G.,  
ekonomist

Workers' gifts to the 22d Congress of the CPSU. Avt.transp. 39  
(MIRA 14:10)  
no.9:54-55 S '61.

1. Chleny Astrakhanskogo gorodskogo komiteta Vsesoyuznogo Leninskogo komunisticheskogo soyuza molodezhi (for Staroverov, Gimadetdinov).
2. Ministerstvo avtomobil'nogo transporta i shosseynykh dorog (for Litovskoy SSR (for Budenov). 3. 2-ya Pavlodarskaya avtobaza (for Serebryannikov).

(Efficiency, Industrial)

GIMADEYEV, Kh.Y., nauchnyy sotrudnik.

We are for composite crews. Nauka i pered.op. v sel'khoz. 6 no.11:61-  
62 N 1956.  
(MIRA 10:1)  
(Bashkiria--Collective farms)

6/17 A.D.E.Y.  
KHAMIDULLIN, G.Z., GIMAROV, M.M., YEDROVSKII, YE.I.; GUBATDULLIN, M.S.;  
KHABIROV, M.O.; TRASUNOVA, YE.A.; redaktor; ZAYNULLINA, G.Z.,  
tekhnicheskiy redaktor.

[Problems in long-range planning for collective farms] Voprosy  
perspektivnogo planirovaniia v kolkhozakh. Pod obshchei red.  
G.Z.Khamidullina. Ufa, Bashkirskoe knizhnoe izd-vo, 1957. 173 p.  
(MIRA 10:11)

(Collective farms)

GIMADEYEV, Kh., nauchnyy sotrudnik; RAFIKOV, R., inzh.-mekhanik

Method for planning the expenditure of labor and materials in  
agriculture. Plan. khoz. 41 no.1:51-57 Ja'64. (MIRA 17:2)

1. Bashkirskiy filial AN SSSR (for Gimadeyev).

GIVADEYEV, I.I., Cand Med Sci--(diss) "On the hygienic and toxicological  
character of the effect of small ~~does~~ concentrations of mercury vapors  
on the organism." Leningrad, 1950. 15 pp (Leningrad State Inst), 200 cop.  
List of author's works, 1941-1950 (1951, 1952)

- 1/2 -

GIMADEYEV, M.M., aspirant

Air pollution by mercury vapors in a control and testing station.  
Gig. i san. 23 no.4:75-77 Ap '58. (MIRA 11:6)

1. Iz kafedry gigiyeny truda Kazanskogo meditsinskogo instituta.  
(AIR POLLUTION, determ.  
by mercury vapors in control testing station (Rus))  
(MERCURY, determ.  
in vapors in air in control testing station (Rus))

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CIA-RDP86-00513R000515110010-7  
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GINADEV, M.M.

Working conditions in rectifier substations in Kazan'. Gig. i san.  
23 no.8:74 Ag '58 (MIRA 11:9)

1. Iz Kafedry gigiyeny truda Kazanskogo meditsinskogo instituta.  
(ELECTRIC RAILROADS, SUBSTATIONS--HYGIENIC ASPECTS)  
(MERCURY--TOXICOLOGY)

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~~CONFIDENTIAL~~

Working conditions in a laboratory at the municipal stomatological poly-clinic in Krasan, Gig. 1 man. 23 no. 12:79-80 D '58. (MIRA 12:1)  
(MERCURY--TOXICOLOGY)

GIMADEYEV, N.M.

Work conditions in laboratories using mercury and mercury  
apparatuses. Gig.1 san. 24 no.8:73-74 Ag '59. (MIRA 12:11)

1. Iz kafedry gigiyeny truda Kazanskogo meditsinskogo instituta.  
(MERCURY, effects, injurious)  
(LABORATORIES)  
(OCCUPATIONAL DISEASES)

GIMADEYEV, M.M., kard.med.nauk

Some problems in the prevention of occupational poisoning with  
mercury. Kaz.med.zhur. no.5:81-84 8-0 '60. (MIRA 13:11)

1. Iz kafedry gigiyeny truda (sav. - dotsent V.P.Kamchatnov)  
Kazanskogo meditsinskogo instituta.  
(MERCURY--TOXICOLOGY)

MUKHAMEDOVA, G.M., otv. red.; GIMADEYEV, M.H., otv. za vypusk;  
GELLER, L.I., red.; MIRKAYEVS, G.A., red.; TROFIMOV, V.A.,  
red.

[Materials of the Scientific Conference Devoted to Problems of  
Work Hygiene, Professional Pathology, and Industrial Toxicology  
in Petroleum and Petrochemical Industries] Materialy Nauchnoy  
konferentsii, posviashchennoy voprosam gigieny truda, professio-  
nal'noi patologii i promyshlennoi toksikologii v neftianoi i nefte-  
khimicheskoi promyshlennosti, Ufa; M-vo zdravookhr.RSFSR,1961.200 p.

(MIRA 16:8)

1. Nauchnaya konferentsiya, posviashchennaya voprosam gigiyeny truda  
professional'noy patologii i promyshlennoy toksikologii v neftyanoy  
i neftekhimicheskoy promyshlennosti, 1961. 2. Ufimskiy nauchno-  
issledovatel'skiy institut gigiyeny i profzabolevaniya (for Trofimov).

(MEDICINE, INDUSTRIAL--CONGRESSES)

(PETROLEUM CHEMICALS)

(PETROLEUM INDUSTRY--HYGIENIC ASPECTS)

GIMADEYEV, M.M.

Possibility of the intoxication of the personnel in medical  
offices with small quantities of mercury. Kaz. med. zhur.  
no.5:85-86 840 '61. (MIRA 15:3)

1. Kafedra gigiyeny truda (zav. - dotsent V.P. Kamchatnov)  
Kazanskogo meditsinskogo instituta.  
(MERCURY TOXICOLOGY)

GIMADEYEV, M.M., kand.med.nauk (Ufa)

Conferende on the problems of industrial hygiene, industrial diseases  
and industrial toxicology in the petroleum and petrochemical industries  
(May 30 - June 2, 1961 in Ufa). *Kaz. med. zhur.* no.6:85-87 N-D '61.  
(MIRA 15:2)

(PETROLEUM INDUSTRY—HYGIENIC ASPECTS—CONGRESSES)

GIMADEYEV, M.M.

Effect of mercury vapors in small concentrations on conditioned reflex activity in rabbits. Farm.i toks. 24 no.2:210-216 Mr-Ap  
'61. (MIRA 14:6)

1. Kafedra gigiyeny truda (zav. - dotsent V.P.Kamchatnov) Kazan-  
skogo meditsinskogo instituta.  
(MERCURY—PHYSIOLOGICAL EFFECT) (CONDITIONED RESPONSE)

GIMADEYEV, M.M.

Effect of mercury vapors on the formation of conditioned  
reflexes in rabbits. Farm. i toks. 25 no.2:136-138 Mr-Ap  
'62. (MIRA 15:6)

1. Kafedra gigiyeny truda (zav. - dotsent V.P. Kamchatnov)  
Kazanskogo meditsinskogo instituta.  
(CONDITIONED RESPONSE)  
(MERCURY--PHYSIOLOGICAL EFFECT)

GIMADEYEV, M.M., kand.med.nauk (Ufa)

Blastomogenic action of petroleum and petroleum products.  
Kaz. med. zhur. no.2:79-84 Mr.Ap '62. (MIRA 15:6)  
(CARCINOGENS) (PETROLEUM--TOXICOLOGY)

GIMADEYEV, M. M.; SELLER, L. I.; UZHDAVINI, Ye. R.

Conference on the problems of industrial hygiene, occupational pathology and industrial toxicology in the petroleum and petrochemical industries. Gig. truda i prof. zab. no. 3:55-57 '62.  
(MIRA 15:4)

(PETROLEUM INDUSTRY--HYGIENIC ASPECTS)

GIMADEYEV, M.M., kand.med.nauk (Ufa)

Problems in industrial hygiene at the 14th All-Union Congress of  
Hygienists and Sanitary Physicians (March 13-19, 1962, Moscow).  
Kaz.med.zhur. no.4:107-109 J-1g '62. (MIRA 15:8)  
(INDUSTRIAL HYGIENE—CONGRESSES)

MUKHAMEDOVA, G.I., kand. med.nauk, otv. red.; GELIN, I.I., kand. med. nauk, red.; GIMADEYEV, K.M., red.; MIKHAYLOV, G.A., doktor med. nauk, red.; CHEVETSOV, V.R., red.

[Industrial hygiene and health protection for the workers of the petroleum and petrochemical industries] Gigiiena truda i okhrana zdrav'ia rabochikh v neftianoi i neftekhimicheskoi promyshlennosti. Ufa. Vol. 2. 1963. 547 p. (XIA 18:3)

1. Ufimskiy nauchno-issledovatel'skiy institut gigiyeny i profzaboliveniy. 2. Direktor Ufimskogo nauchno-issledovatel'skogo instituta gigiyeny i profzaboliveniya (for Mukhamedova).

GIMADEYEV, M.M., starshiy nauchnyy sotrudnik (Ufa)

Problems of industrial hygiene and occupational pathology in  
the Sanitary and Hygienic Conference of the R.S.F.S.R. Kaz.  
med. zhur. no.5:110-112 S-0'63 (MIRA 16:12)

TRAKHTENBERG, I.M., dotsent (Kiyev); GIMADEYEV, M.M., kand.med.nauk (Ufa)

Effect of small mercury vapor concentrations on the body.  
Vrach. delo no.6:103-108 Je'63. (MIRA 16:9)

1. Kafedra gigiyeny truda (zav. - chlen-korrespondent AMN  
SSSR prof. G.Kh.Shakhabasyan) Kiyevskogo meditsinskogo in-  
stituta i otdel gigiyeny truda (zav. - kand.med. nauk M.M.  
Gimadeyev) Ufimskogo nauchno-issledovatel'skogo instituta  
gigiyeny.

(MERCURY—TOXICOLOGY)

GIMADEYEV, M.M.

Review of the monograph "Work hygiene in the petroleum industry"  
by M.I.Fongauz. Gig. i san. 28 no.1:118-121 Ja '63. (MIRA 16:7)  
(PETROLEUM INDUSTRY--HYGIENIC ASPECTS)  
(FONGAUZ, M.I.)

KOROVAYEV, Ye.N., prof. [deceased]; GIMADEYEV, N.N.

Utilization of the test of tissue hydrophilism in rheumatism in  
children. Kaz.med.zhur. no.3:38-39 My-Je '62. (MIRA 15:9)

1. Detskoye otdeleniye Respublikanskoy klinicheskoy bol'nitsy  
Tatarskoy ASSR (glavnnyy vrach - Sh.V.Bikchurin [deceased]) i  
kafedra gospital'noy pediatrii (zav. - prof. Ye.N.Korovayev  
[deceased]) Kazanskogo meditsinskogo instituta.  
(RHEUMATIC FEVER) (MEDICAL TESTS)

S/020/61/140/001/003/024  
C111/C222

AUTHOR: Gimadislamov, M.G.

TITLE: Development in eigenfunctions of a non-selfadjoint system of second-order differential equations

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 140, no. 1, 1961, 19-22

TEXT: The author considers the system

$$l(y) = -y'' + P(x)y , \quad (1)$$

where  $y(x) = (y_1(x), \dots, y_k(x))$ ,  $P(x)$  -- a k-dimensional complex-valued matrix being summable on  $[0, \infty]$ .

Let  $y(x) \in L_k^2(0, \infty)$  if  $\int_0^\infty \sum_{i=1}^k |y_i(x)|^2 dx < \infty$ . Let  $D$  be the set of

those  $y(x) \in L_k^2(0, \infty)$  for which 1) there exists  $y'(x)$  and is absolutely continuous on  $[0, b]$  for every finite  $b > 0$ ; 2)  $l(y) \in L_k^2(0, \infty)$ . Let  $D_\theta$

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C111/C222

Development in eigenfunctions ...

be the set of the  $y(x) \in D$  satisfying

$$y'(0) - Qy(0) = 0 \quad (2)$$

where  $Q$  is a fixed  $k$ -dimensional complex matrix. Let the operator  $L_Q$  have the region of definition  $D_Q$ , and let  $L_Q y = l(y)$  for  $y(x) \in D_Q$ . Let  $Y_1(x, s)$  and  $Y_2(x, s)$  ( $s^2 = \lambda$ ) be linearly independent solutions of the matrix equation

$$- Y'' + P(x)Y = \lambda Y \quad , \quad (3)$$

where for  $x > \infty$

$$Y_1(x, s) = e^{isx} [1 + o(1)] \text{ uniformly in } s, |s| \geq r > 0, \text{ Im } s > 0$$

$$Y_2(x, s) = e^{-isx} [1 + o(1)] \text{ uniformly in } s, |s| \geq r > 0, \text{ Im } s < 0$$

and for  $s \rightarrow \infty$

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S/020/61/140/001/003/024  
C111/C222

Development in eigenfunctions ...

$\gamma_1(x,s) = e^{isx} \left[ 1 + O\left(\frac{1}{s}\right) \right]$ ,  $\gamma_2(x,s) = e^{-isx} \left[ 1 + O\left(\frac{1}{s}\right) \right]$  uniformly in  $x$ ,

$0 \leq x < \infty$ .

Such solutions  $Z_1(x,s)$  and  $Z_2(x,s)$  are constructed for

$$-Z'' + ZP(x) = \lambda Z . \quad (4)$$

Let  $\xi_1(s), \dots, \xi_k(s)$  be the eigenvalues of  $[A_1(s) - \xi A_2(s)] = 0$ , where

$$A_1(s) = Y'_1(0,s) - \theta Y_1(0,s) , \quad (5)$$

$$A_2(s) = Y'_2(0,s) - \theta Y_2(0,s) , \quad (6)$$

and let  $\varphi_1(x), \dots, \varphi_k(x)$  be the corresponding eigenvectors. Just so  $\xi'_1(s)$  etc. and  $\varphi'_1(s)$  etc., respectively, denote the eigenvalues and eigenvectors of the matrix  $B_1(s) - \xi' B_2(s) = 0$ , where

$$B_1(s) = Z'_1(0,s) - Z_1(0,s)\theta , \quad (7)$$

Card 3/b

S/020/61/140/001/003/024  
C111/C222

Development in eigenfunctions ...

$$B_2(s) = Z'_2(0,s) - Z_2(0,s)0 \quad . \quad (6)$$

Theorem : The spectrum of  $L_\theta$  is continuous on the positive semiaxis and discrete in the other  $\lambda$ -plane. The eigenvalues of  $L_\theta$  form a bounded set the accumulation points of which may only lie on the positive semi-axis  $\lambda \geq 0$ . For  $\lambda$ -values not belonging to the spectrum the resolvent of  $L_\theta$  is an integral operator the kernel  $K(x, \xi, \lambda)$  of which satisfies the conditions :

$$\int_0^\infty |K(x, \xi, \lambda)|^2 d\xi < \infty , \quad \int_0^\infty |K(x, \xi, \lambda)|^2 dx < \infty .$$

Let  $\int_0^\infty x^2 |P(x)| dx < \infty$ , and 1) let the eigenvalues of  $L_\theta$  be simple poles of its resolvent ; 2) let the matrices  $A_1(s)$  and  $A_2(s)$  be not singular for  $s \geq 0$ . Let  $\lambda_1, \lambda_2, \dots, \lambda_r$  and  $y_1(x), y_2(x), \dots, y_k(x)$  be the eigenvalues

Card 4/5

Development in eigenfunctions ...

S/020/61/140/001/003/024  
C111/C222

and eigenfunctions of  $L_\theta$ .

Theorem 2 : If the above conditions are satisfied then for every  $\lambda$  not belonging to the spectrum of  $L_\theta$  it holds :

$$K(x, \xi, \lambda) = \sum_{j=1}^r \frac{y_j(x) z_j'(\xi)}{\lambda - \lambda_j} -$$
$$- \frac{1}{\pi} \int_0^\infty \sum_{j=1}^r \frac{[Y_1(x, s) - \xi_j Y_2(x, s)] p_j p_j' [z_1(\xi, s) - \xi_j z_2(\xi, s)]}{(s^2 - \lambda_j)(\xi_j(s) + \xi_j'(s))(p_j, p_j')} ds, \quad (9)$$

where the right integral in  $0 \leq x, \xi < \infty$  converges absolutely and uniformly with respect to  $x$  and  $\xi$ .

Theorem 3 : If the above conditions are satisfied then every vector function  $g(x) \in D_\theta$  can be represented by

Card 5/6

Development in eigenfunctions ...

S/020/61/140/001/003/024  
C111/C222

$$g(x) = \sum_{l=1}^r \frac{y_l(x) \int_0^\infty (g, z_l) dx}{\int_0^\infty (y_l, z_l) dx} - \frac{1}{\pi} \int_0^\infty \sum_{l=1}^k \frac{[Y_l(x, s) - \xi_l(s) Y_1(x, s)] p_j p_j^* F_l(s)}{[\xi_l(s) + \xi_j(s)] (p_j, p_j)} ds, \quad (10)$$

where

$$F_j(s) = \int_0^\infty [z_1(\cdot, s) - \xi_j(s) z_2(\cdot, s)] g(\cdot) d\cdot.$$

In  $0 < x < \infty$  the right integral converges absolutely and uniformly with respect to  $x$ .

The author mentions M.A. Naymark. He thanks A.G. Kostyuchenko. There are 4 Soviet-bloc references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet imeni M.V.Lomonosova  
(Moscow State University imeni M.V.Lomonosov)  
PRESENTED: April 20, 1961, by P.S. Aleksandrov, Academician  
SUBMITTED: April 17, 1961

Card 6/6

S/020/62/143/001/001/030  
B112/B102

16,3500

AUTHOR: Gimadislamov, M. G.

TITLE: Expansion with respect to the eigenfunctions of a non-self-adjoint differential operator of even order in a space of vector functions

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 1, 1962, 13 - 16

TEXT: The author considers the boundary value problem  $L_A$  which is defined by the vector differential operator

$$l(y) = y^{(2n)} + P_2(x)y^{(2n-2)} + P_3(x)y^{(2n-3)} + \dots + P_{2n}(x)y$$

and the boundary conditions

$$u_k(y) = A_{k,2n-1}y^{(2n-1)}(0) + A_{k,2n-2}y^{(2n-2)}(0) + \dots + A_{k,0}y(0) = 0$$

( $k = 1, 2, \dots, n$ ). This problem has a finite spectrum  $\lambda_1, \lambda_2, \dots, \lambda_r$  in  $\sqrt{A}$

Card 1/2

S/020/62/143/001/001/030  
B112/B102

Expansion with respect to the...

the complex  $\lambda$ -plane. The eigenfunctions are represented in the form

$$y_j(x) = [-\sum Y_i(x, \gamma) T_{ik} u_k(Y_n) + Y_n(x)] c_j.$$

The matrices  $Y$  are the solutions of the equations

$$Y^{(2n)} + P_2(x)Y^{(2n-2)} + \dots + P_{2n}(x)Y = \lambda Y,$$

the matrix  $T_{ik}$  is inverse to the matrix  $|u_i(Y_k)|$ , and  $\lambda^{2n} = -\lambda$ .

Asymptotic formulas are obtained by comparison of the problem  $L_A$  with the problem:  $l(y) = \lambda y$ ;  $u_k(y) = 0$ ,  $u_{kb}(y) = y^{(k-1)}(b) = 0$ . M. A. Naymark is thanked for assistance. There are 4 Soviet references.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova  
(Moscow State University imeni M. V. Lomonosov)

PRESENTED: October 28, 1961, by P. S. Aleksandrov, Academician

SUBMITTED: October 27, 1961

Card 2/2

/A

GIMADISLAMOV, M.

Expansion in eigenfunctions of a nonself-adjoint system of differential equations all along the axis. Dokl. AN SSSR 146 no.3:  
519-522 S '62. (MIRA 15:10)

1. Predstavлено академиком I.G.Petrovskim.  
(Differential equations) (Series) (Eigenfunctions)

KAMILOV, M.M., GIMALITDINOV, F.M.

Derivation of a preliminary mathematical model of a methane converter  
in the technological setup of combined methane and carbon oxide  
conversion, Izv. AN Uz.SSR.Ser.tekh.nauk 8 no.4-71-72 '64.

1. Institut mekhaniki i Vychislitel'nyy tsentr AN UzSSR.  
(MIRA 18:4)

"APPROVED FOR RELEASE: Thursday, September 26, 2002  
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CIA-RDP86-00513R000515110010-7  
CIA-RDP86-00513R000515110010-7"

KAMILOV, M.M.; GIMALITDINOV, F.M.

Some aspects of the mathematical modeling of chemical technological processes, and generalized balance equations. Vop. vych. mat. i tekhn. no. 3:111-118 '64.  
(MIRA 18:9)

GIMATDINOVA, G.M., red.; IVANOVA, N.F., red.

[Production of newsprint] Proizvodstvo gazetnoi bumagi.  
Moskva, 1964. 43 p. (MIRA 18:9)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy institut  
informatsii i tekhniko-ekonomicheskikh issledovaniy po  
lesnoy, tsellyulozno-bumazhnoy, derevoobrabatyvayushchey pro-  
myshlennosti i lesnomu khozyaystvu.

11(4)

PHASE I BOOK EXPLOITATION

SOV/1502

Murav'yev, Ivan Mikhaylovich, Ruben Samsonovich Andriasov, Shamil' Kashafovich Gimatdinov, Galina Leonidovna Govorova, and Vladimir Tikhonovich Polozkov.

Razrabotka i ekspluatatsiya neftyanykh i gazonovykh mestorozhdeniy (Development and Exploitation of Oil and Gas Deposits) Moscow, Gostoptekhizdat, 1958.  
495 p. 6,000 copies printed.

Reviewers: Yu. P. Borisov, Candidate of Technical Sciences; Ed.: I.M. Murav'yev, Professor; Exec. Ed.: Z.A. Savina; Tech. Ed.: E.A. Mukhina.

PURPOSE: The book is intended as a textbook for students in engineering, economic and geological-surveying subjects in petroleum institutes, and may be used by the engineering and technical personnel in oil fields.

COVERAGE: The authors survey modern scientific concepts of the physics of formations, the theory of petroleum, gas and gas-condensate field development, and the technology of oil and gas production. They review the methods of planning the development of oil and gas fields, the maintenance of formation pressures and secondary oil-recovery methods, the modern state and techniques of oil and gas wells exploitation and maintenance, as well as the gathering of oil and gas

Card 1/12

Development and Exploitation of Oil and Gas Deposits

SOV/1502

in the fields, primary working processes, transportation, storage, and the utilization of gas. The book was reviewed by the faculty of oil field development of the Groznenskiy neftyanoy institut (Groznyy Petroleum Institute) and Yu. P. Borisov, Candidate of Technical Sciences. There are 88 Soviet references.

TABLE OF CONTENTS:

Foreword

Introduction

PART I. GENERAL DATA ON OIL AND GAS FIELDS

Ch. I. The Geological and Physical Characteristics of Oil and Gas Deposits

1. Natural reservoirs of oil and gas	11
2. Porosity of rocks	11
3. Granulometric analysis of rock particles	12
4. Rock permeability	14
5. Determination of the surface of the rock	15
	19

Card 2/12

KUSAkov, M.M.; GIMATUDINOV, Sh.K.

Capillary displacement of oil with water in natural cores.  
Trudy MGI no.22:198-206 '58. (MIRA 12:4)  
(Oil field flooding)

This collection of articles, written by members of the teaching staff of the Moscow Petroleum Institute imeni I. M. Gubkina, is devoted to a discussion of the geology and production of petroleum, particularly as it applies to the Stalingradskoye Povolzh'ye, the Predkavkaz'ye, and the Southeastern part of the Russian Platform.

GIMATUDINOV, Sh.K.; KUSAKOV, M.M.

Effect of rate of water flooding of oil from natural cores on oil  
recovery. Trudy MNI no.22:207-216 '58. (MIRA 12:4)  
(Oil field flooding)

MURAV'YEV, I.M.; GIMATUDINOV, Sh.K.; YEVGEN'YEV, A.Ye.

Problem of modeling nonuniform . .1 layers. Izv. vys. ucheb. zav.;  
neft' i gaz 4 no.5:63-67 '61. (MIRA 15:2)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
imeni akad. I.M.Gubkina.  
(Oil reservoir engineering)

GIMATUDINOV, Sh.K.

Role of capillary forces in flooding oil from porous media.  
Izv. vys. ucheb. zav.; neft' i gaz 4 no.11:74-76 '61.

(MIRA 17:2)

l. Moskovskiy institut neftekhimicheskoy i gasovoy promyshlennosti  
imeni akademika I.M. Gubkina.

GIMATUDINOV, Sh.K.; MURAV'YEV, I.M.; YEVGEN'YEV, A.Ye.

Flooding oil from nonuniform porous media with waters having  
various compositions. Izv. vys. ucheb. zav.; neft' i gaz 4  
no.12:61-64 '61. (MIRA 16:12)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti imeni akademika I.M.Gubkina.

GIMATUDINOV, Sh.K.

Study of oil recovery from inhomogeneous porous media. Geol.nefti  
i gaza 6 no.8:20-22 Ag '62. (MIRA 15:9)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
im. akad.Gubkina.  
(Tuymazy region (Bashkiria)--Oil field flooding)

GIMATUDINOV, Sh.Ä.

Flushing mechanism of waters of various composition in the  
displacement of petroleum from a porous medium. Neft. khoz.  
40 no.10:43-48 0 '62. (MIRA 16:7)

(Oil field flooding)  
(Surface-active agents)

GIMATUDINOV, Shamil' Kashafovich, dots.; KUSAKOV, M.M., prof.,  
retsenzent; Prinimali uchastiye: GUZHOV, A., dots.,  
retsenzent; POLYAKOV, G., kandi. tekhn. nauk, retsenzent;  
MURAV'YEV, I.M., red.; SAVINA, Z.A., ved. red.; VORONOVA,  
V.V., tekhn. red.

[Physics of oil-bearing beds] Fizika neftianogo plasta. Pod  
red. I.M.Murav'yeva. Moskva, Gostoptekhizdat, 1963. 274 p.  
(MIRA 16:12)

1. Moskovskiy institut neftekhimicheskoy i gazovoy pro-  
myshlennosti im. akad. Gubkina. (for Gimatdinov).  
(Petroleum geology)

GIMATUDINOV, Sh.K.

Possibilities of establishing common dependences between oil yield and the properties of reservoir systems and displacement conditions. Trudy MINKHGP no.42:70-81-163.

Measuring the relative wettability of rocks with reservoir fluids.  
(MIRA 17:3)  
Ibid.:143-149

GIMATUDINOV, Sh.K., SHEDLOVSK IV, A.N.

Pressure of saturated oil in a porous medium. Izv. vys. ucheb.  
zav.; neft' i gaz 6 no.2:29-33 '63. (MIRA 16:5)

l. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
imeni akademika I.M.Gubkina.  
(Oil reservoir engineering)

GIMATUDINOV, Sh.K.

Nature of the surface of minerals in petroleum-bearing rocks.  
Izv. vys. ucheb. zav.; neft' i gaz 6 no. 7:37-43 '63.

(MIRA 17:8)

1. Moskovskiy institut neftekhimicheskoy i gazovey promysh-  
lennosti imeni akademika Gubkina.

GIMATUDINOV, Th.K.; KIROV'YEV, V.V.

Effect of water-soluble surfactants on the capillary properties  
of reservoir systems. Izv. vya. uchen., zav., neft' i gaz ?  
no.3(43-47) Tr. 4.

(MIRA 17;6)

L. Lekovskiy institut neftekhimicheskoy i gazovoy promyshlennosti  
imeni akademika I.M. Gubkina.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515110010-7  
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MURAV'YEV, I.M.; GIMATUDINOV, Sh.K.; NIKOLAYEV, V.A.

Effect of the water drive rate on the oil yield. Trudy ZNKH.GF  
no.48 3-12 '64.  
(MIA 18:3)

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GIMATUDINOV, Sh.K.

Application of the capillarity theory to the solution of certain  
problems in the physics of reservoir oil. Trudy MINKhGP no.48:  
94-102 '64.  
(MIRA 18:3)

NIKOLAEV, V. V. (D) M. T. (M) O. (O) N. (N)

Mechanism and efficiency of the action of surfactants in  
the flooding of oil from porous media. Izv. vuz. zav. nafti  
k. p. 2 no. 6179-43 - 164. (MIA 12,9)

A. Monakovskiy Institut naftochimicheskoy i gazovoy promst.  
Leningrad filial Akademii Nauk SSSR.

MURAV'YEV, Ivan Mikhaylovich, prof.; ANDRIASOV, Ruben Samsonovich;  
GIMATUDINOV, Shamil' Kashapovich; GOVOROVA, Galina  
Leonidovna; POLOZKOV, Vladimir Tikhonovich; SAVINA, Z.A.,  
ved. red.

[Development and exploitation of oil and gas fields] Raz-  
rabotka i ekspluatatsiya neftianykh i gazovykh mestorozh-  
denii. Izd.2., perer. Moskva, Nedra, 1965. 504 p.  
(MERA 18:2)

MURAV'YEV, I.M.; GIMATUDINOV, Sh.K.; NIKOLAYEV, V.A.; MUSTAPIN, G.G.

Effect of the degree of the nonuniformity of a porous medium  
on oil yield. Izv. vys. ucheb. zav.; neft' i gaz 7 no.11:35-38  
'64. (MIRA 18:11)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti im. akad. I.M. Gubkina.

LEVINTER, M.Kh; IVANOVSKIY, G.F.; SMIRNOV, N.P.; GALIMOV, Zh. F.;  
GALINICH, Ye.T.; GIMAYEV, R.N.

Modernization of catalytic cracking units at the Novoufimka  
Petroleum Refinery. Khim. i tekhn.topl.i masel 6 no.7:1-6  
J1 '61. (MIRA 14:6)

1. Novo-Ufimskiy neftepererabatyvayushchiy zavod i  
Upravleniye nerudnykh iskopayemykh.  
(Novoufimka—Cracking process—Equipment and supplies)

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CIA-RDP86-00513R000515110010-7"

MASAGUTOV, R.M.; GIMAYEV, R.N.; DANILOVA, R.A.; RISOV, B. a.;  
OLEFIR, N.A.

Test run of a high-temperature catalytic cracking unit using  
vacuum gas oil as the raw stock. Trudy BashNII NP no.7:29-35 '64.  
(MIRA 17:9)

SYUNYAYEV, Z.I.; GIMAYEV, R.N.; MOSAL', T.F.; ABIEGIL'DIN, Yu.M.

Perfecting the method of the firing and desulfurization of  
petroleum coke. Nefteper. i neftekhim. no.8:18-21 '64.  
(MIRA 17:10)

1. Ufimskiy neftyanyy institut i Novo-Ufimskay neftepererabaty-  
vayushchijy zavod.

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APPROVED FOR RELEASE: Thursday, September 26, 2002

CIA-RDP86-00513R000515110010-7"

GIMAYEV, R.N.; SYURAYEV, Z.I.; SUDOVIKOV, A.D.; NOSAL', T.P.

Thermal desulfurization of petroleum coke. Nefteper. i neftekhim.  
no. 6:12-14 '65. (MIRA 18:7)

l. Novo-Ufimskiy neftepererabatyvayushchiy zavod i Ufimskiy neftyanoy  
institut.

MORGAN, RICHARD WALTER; MINTON, HARRY C; MORSE, ROBERT

...and, I am doing the same, from a different angle, in the proceeding of  
the trial. (Kirk, 1986, tape 1, side 1, 1986, 10:10-10:15)

• "I am very much engaged in the trial. I'm trying to find out if  
they're lying, they're not lying, they're not telling the truth, or what the truth is,

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SYUNYAYEV, A.U.; AKHMETOV, S.A.; GIMAYEV, R.N.

Reactivity of petroleum cokes. Khimicheskaya promstvija 10  
no.7(46-49) Jl. 165. (KIRA 38:9)

1. Ufimskiy naftyanoy nauchno-issledovatel'skiy institut.

ORLOV, L.I.; GIMAYEV, R.S.

Effect of rock pressure on the electric resistance of carbonate rocks. Prikl. geofiz. no.33:206-212 '62. (MIRA 15:10)  
(Rock pressure) (Rocks, Carbonate—Electric properties)

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Gimazov, Mugallin

N/  
114.4  
.M95

Perevodovoy Master Daireniya Skvazhin  
(Mugallim Gimazov - Leading Expert of Oil-well Drilling)

Moskva, Gostoptekhnizdat, 1956.

66 p. Illus., Diagrs., Graphs, Tables (Cejt Novatorov Neftyanikov)

GIMBEL', A.A.

Endourethral injections of antibiotics mixed with hydrocortisone  
in chronic prostatitis. Preliminary report. Trudy Kish. gos. med.  
inst. 24:249-250 '64  
(MIRA 18:1)

1. Urologicheskaya klinika Kishinevskogo gosudarstvennogo medi-  
tsinskogo instituta.

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515110010-7  
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MAKHOV, A.F.; OBUKHOV, A.S.; GIMBERG, S.V.; ROGACHEVA, O.I.

Trap-product refining. Nefteper. i neftekhim. no.2:18-22  
'63. (MIRA 17:1)

1. Novo-Ufimskiy neftepererabatyvayushchiy zavod.

GIMBUTIS, G.I. [Gimbutis, G.]

Heat transmission by convection and radiation in an annular  
channel. Trudy AN Lit. SSR. Ser. B no.2:153-163 '64.

(MIRA 18;3)

l. Institut energetiki i elekrotekhniki AN Litovskoy SSR.

ACC NR: AF6000676

UR/0236/65/000/002/0233/0238

46  
D

AUTHOR: Gimbutis, G.I. --Gimbutis, G.

ORG: Power and Electrotechnical Institute AN LitSSR (Institut energietiki i elektrotehniki AN LitSSR)

TITLE: Convective and radiative heat transfer in an annular channel  
from a gray body with diffuse reflection

SOURCE: AN LitSSR. Trudy. Seriya B. Fiziko-matematicheskiye, khimicheskiye, geologicheskiye i tekhnicheskiye nauki, no.2, 1965, 233-238

TOPIC TAGS: radiative heat transfer, convective heat transfer, gray  
body radiation

z1 44.55

ABSTRACT: The article derives a system of differential-integral equations which describe the process of complex heat transfer (convective and radiative) in an annular channel from a gray body with diffuse reflection, during the passage through the channel of a gas which is transparent to heat rays. It presents the results of a theoretical numerical calculation in the form of curves for the cases in which the ratio of the inner and outer diameters of the channel is equal to 0.5 and 0.8, the degree of blackness is from 0.2 to 0.8, and the ratio of

Card 1/2

ACC NR: AF6000676

the heat flux to the convective heat transfer coefficient varies within the limits of a few hundred to a few thousand. The method of calculation used has already been described in the literature, but applies only to an absolutely black body. For a gray body the method is modified by the use of successive approximations for calculation of the distribution of the total radiant fluxes along the length of the channel, with simultaneous calculation of the temperatures. The accuracy of the method is claimed to be sufficient for many industrial applications.  
Orig. art. has: 18 formulas and 2 figures.

SUB CODE: 20 SUBM DATE: 2986p64 ORIG REF: 003 OTH REF: 000

Card

2/2 (1)

GIMBUTIS, G.I.

Heat transmission through convection and radiation in a circular  
canal from a gray body with diffusion reflection. Trudy AN Lit.SSR.  
Ser. B. no.2:233-238 '65. (MIR: 19:2)

1. Institut energetiki i elekrotekhniki AN Litovskoy SSR.  
Submitted September 29, 1964.

L 27674 AD COVERNMENT PRINTING OFFICE, WASH., D.C. 20402  
ACC NIN AT6009576

SOURCE CODE: UR/0000/65/000/000/0138/0155

57  
8+1

AUTHOR: Gimel'farb, G. I.

ORG: none

TITLE: Selection of averaged standard pictures

SOURCE: AN UkrSSR. Chitayushchiye avtomaty i raspoznavaniye obrazov (Reading devices and pattern recognition). Kiev, Naukova dumka, 1965, 138-155

TOPIC TAGS: pattern recognition, character recognition, automatic reader, data correlation

ABSTRACT: A theoretical study is presented of averaged standard masks for correlation-type automatic readers (V. A. Kovalevskiy, same issue, p. 46). Correlation coefficients can be calculated either by optical or electrical correlators. In the first case, the crosscorrelation coefficient is calculated from this formula:

$R_i = R'_i - R''_i$ , where  $R'_i = \sum_{j=1}^N p_j e_j / M_i$ ;  $R''_i = \left( \sum_{j=1}^N p_j \right) \times \frac{e_i}{M_i}$ . Two standards are used in each channel: a normalized standard of the real character  $e_i / M_i$  and a "white field"

Card 1/2

ACC NR: AT6005576

standard common to all channels. In the second case, the crosscorrelation coefficient is given by:  $R_i = \sum_{j=1}^N p_j e_{ij}^*$ ,  $i = 1, 2, \dots, m$ , where  $p_j$  is the j-th component of an N-dimensional vector  $p$  which describes the picture at a given position;  $e_{ij}^*$  is the j-th component of an N-dimensional vector  $e_i^*$  which describes the i-th normalized and neutralized standard. Formulas are developed for the optimum standards, which minimize the error probability, for both above cases. When the total number of black elements in the standard is great, the use of the first type standard (optical) yields a much lower error probability. A "hybrid" circuit is recommended for practical automatic readers. Orig. art. has: 2 figures and 56 formulas.

SUB CODE: 09, 12 / SUBM DATE: 31Aug65 / ORIG REF: 003

Card 2/2

INOSOV, Yu.L., inzh.; GIMEL'YAN, A.Yu., inzh.

~~Lightweight bearing units in highway bridge spans. Avt.dor.~~  
22 no.8:23-24 Ag '59. (MIRA 12:11)  
(Bridges, Iron and steel)

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CIA-RDP86-00513R000515110010-7"

GIMEL'FARB, A.Yu.

Stability of flexible I-beams of steel-iron concrete bridge  
constructions. Avt. dor. 26 no.6:27-28 Je '63. (MIRA 16:8)

(Beams and girders) (Bridges, Concrete)

"APPROVED FOR RELEASE: Thursday, September 26, 2002 CIA-RDP86-00513R000515110010-7  
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INOSOV, Yu.I., inzh.; GIMMEL'FARB, A.Yu., inzh.

Erecting continuous spans afloat. Transl. ser. 14 no. 2:12-15  
Je '54.  
(MIRA 18:2)

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GIMEL'FARB, V.B.; YELIUV, V.K.

Stabilization of the sensitivity of photoelectric multipliers  
in a reading automation with optical correlation. Avtom. i  
prib. no.1:74-77 Ja-Mr '65.  
(MIRA 18:8)

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GIMEL'FARB, N.

Meat packers suggest. Mias.ind. SSSR 31 no.6:27 '60. (MIRA 13:12)

1. Mogilevskiy myasokombinat.  
(Mogilev--Packing houses)

GIMEL'FARB, N.; IVANOV, K.

Mechanization of the conveying and drying of waterfowl feathers.  
Mias ind SSSR 34 no. 6:36-37 '63. (MIRA 17:5)

1. Mogilevskiy myasokombinat.

GIMEL'FARB, S.P.

SULIMTSOV, I.I.; GIMEL'FARB, S.P.; SHAROVKO, P.M., inzhener, retsentent;  
BLIZMYANSKIY, A.S., inzhener, redaktor; POPOVA, S.M., tekhnicheskiy  
redaktor.

[Locomotive design] Proektirovaniye parovozov; spravochnoe posobie.  
Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1954. 406 p.  
(Locomotives--Design) (MLRA 8:1)

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**GIMEL'YARH, A.Yu., inzh.; YUL'DMAN, M.B., inzh.**

Beginning the static calculations of reinforced concrete cantilever slabs  
of bridge roads. Avt. dor. 23 no. 5:20 My'60. (MIRA 13:10)  
(Bridges--Design)

SHTROM, V.V., inzhener; GIMMEL'FARB, S.P., inzhener.

Moulding machine for the production of rigid mineral wool slabs by the  
intermittent method. Strel.i der.mashinestr.no.7:18-21 Jl '56.  
(Mineral wool) (Building materials) (MLRA 9:10)

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GIMERL'FARB, S.P.

Problems in mechanization and automation in the drug industry.  
Med. prom. 15 no.9:21-24 S '61. (MIRA 14:9)

1. Tsentral'noye proyektno-konstruktorskoye byuro Ministerstva  
zdravookhraneniya SSSR.  
(DRUGS---PACKAGING)

ГИММОЛ'ФИБЕ, Т.А.Б., проф.

Specificity and sensitivity of the complement fixation reaction  
in the diagnosis of epidemic hepatitis (Botkin's disease). Vep.  
hepatitis virus, no. 9154-58. *etc.*  
(Mild 1971)

1. Iz obnaruzhenija epidemiologicheskij mikrobiologii imeni  
I.I.Mechnikova.

GIMEL'FARB, YA.M.

Gimel'farb, Ya. M. "The application of rolling concrete molds during concreting of warehouse coal bins," Stroit. prom-st', 1948, No. 12, p. 6-7

SO: UL-2888, Letopis Zhurnal'nykh Statey, No. 1, 1949